

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. ISIS-4288	Serial No. 09/438,989
	Applicant Yogesh S. Sanghvi et al.	
	Filing Date November 12, 1999	Group 2953

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>HO</i>	FK	3,687,808	08/29/72	Merigan et al.	195	28
	FL	4,689,320	08/25/87	Kaji	514	44
	FM	4,806,463	02/21/89	Goodchild et al.	435	5
	FN	5,004,810	04/02/91	Draper	536	27
	FO	5,166,195	11/24/92	Ecker	514	44
	FP	5,194,428	03/16/93	Agrawal et al.	514	44
	FQ	5,212,295	05/18/93	Cook	536	26.7
	FR	5,242,906	09/07/93	Pagano et al.	514	44
	FS	5,248,670	09/28/93	Draper et al.	514	44
<i>HO</i>	FT	5,442,049	08/15/95	Anderson et al.	536	24.5

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
<i>HO</i>	FU	WO 94/08003	04/14/94	PCT	X	
	FV	WO 99/05160	02/04/99	PCT	X	
	FW	WO 89/12060	12/14/89	PCT	X	
	FX	WO 90/15065	12/13/90	PCT	X	
	FY	WO 91/08213	06/13/91	PCT	X	
<i>HO</i>	FZ	WO 91/10671	07/25/91	PCT	X	

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DATE CONSIDERED

1-10-05

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				Filing Date November 12, 1999		Group 2953	
U. S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
<i>Ho</i>	GA	5,457,189	10/10/95	Crooke et al.	536	24.5	
	GB	5,489,677	02/06/96	Sanghvi et al.	536	22.1	
	GC	5,514,577	05/07/96	Draper et al.	435	238	
	GD	5,514,788	05/07/96	Bennett et al.	536	23.1	
	GE	5,523,389	06/04/96	Ecker et al.	536	23.1	
	GF	5,580,767	12/03/96	Cowsert et al.	435	172.3	
	GG	5,582,972	12/10/96	Lima et al.	435	6	
	GH	5,582,986	12/10/96	Monia et al.	435	6	
	GI	5,587,361	12/24/96	Cook et al.	514	44	
<i>Ho</i>	GJ	5,591,600	01/07/97	Ecker	435	69.1	
FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Country	Translation YES NO		
<i>Ho</i>	GK	WO 91/15500	10/17/91	PCT	X		
	GL	WO 91/18997	12/12/91	PCT	X		
	GM	WO 92/02258	02/20/92	PCT	X		
	GN	WO 92/03568	03/05/92	PCT	X		
<i>Ho</i>	GO	WO 92/05186	04/02/92	PCT	X		
EXAMINER <i>[Signature]</i>				DATE CONSIDERED <i>1-10-05</i>			

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U. S. PATENT DOCUMENTS

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<i>Ho</i>	GP	5,591,623	01/07/97	Bennett et al.	435	240.2
	GQ	5,591,720	01/07/97	Anderson et al.	514	44
	GR	5,599,797	02/04/97	Cook et al.	514	44
	GS	5,607,923	03/04/97	Cook et al.	514	44
	GT	5,620,963	04/15/97	Cook et al.	514	44
	GU	5,658,891	08/19/97	Draper et al.	514	44
	GV	5,661,134	08/26/97	Cook et al.	514	44
	GW	5,681,747	10/28/97	Boggs et al.	435	375
	GX	5,681,944	10/28/97	Crooke et al.	536	24.5
<i>Ho</i>	GY	5,691,461	11/25/97	Ecker et al.	536	24.32

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
<i>Ho</i>	GZ	WO 92/19637	11/12/92	PCT	X	
	HA	WO 92/20822	11/26/92	PCT	X	
	HB	WO 92/20823	11/26/92	PCT	X	
	HC	WO 93/07883	04/29/93	PCT	X	
<i>Ho</i>	HD	0 216 860 B1	10/28/92	EPO	X	
EXAMINER <i>Howard Chen</i>				DATE CONSIDERED <i>1-10-05</i>		

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	Filing Date November 12, 1999	Group 2953

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<i>HO</i>	HE	4,415,732	11/15/83	Caruthers et al.	536	27
	HF	4,458,066	07/03/84	Caruthers et al.	536	27
	HG	4,469,863	09/04/84	Ts'o et al.	536	27
	HH	4,476,301	10/09/84	Imbach et al.	536	27
	HI	4,500,707	02/19/85	Caruthers et al.	536	27
	HJ	4,668,777	05/26/89	Caruthers et al.	536	27
	HK	4,725,677	02/16/88	Köster et al.	536	27
	HL	4,816,571	03/28/89	Andrus et al.	536	27
	HM	4,973,679	11/27/90	Caruthers et al.	536	27
	HN	5,023,243	06/11/91	Tullis	514	44
	HO	5,034,506	07/23/91	Summerton et al.	528	391
<i>HO</i>	HP	5,132,418	07/21/92	Caruthers et al.	536	27

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EXAMINER <i>Howard Duns</i>	DATE CONSIDERED <i>1-10-05</i>
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	Filing Date November 12, 1999	Group 2953

U. S. PATENT DOCUMENTS

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<i>Ho</i>	HQ	Re. 34,069	09/15/92	Köster et al.	536	27
	HR	5,166,315	11/24/92	Summerton et al.	528	406
	HS	5,177,196	01/05/93	Meyer, Jr. et al.	536	22.1
	HT	5,185,444	02/09/93	Summerton et al.	544	81
	HU	5,188,897	2/23/93	Suhadolnik et al.	428	402.2
	HV	5,214,134	05/25/93	Weis et al.	536	25.3
	HW	5,216,141	06/01/93	Benner	536	27.13
	HX	5,235,033	08/10/93	Summerton et al.	528	391
	HY	5,264,423	11/23/93	Cohen et al.	514	44
	HZ	5,264,562	11/23/93	Matteucci	536	23.1
	IA	5,264,564	11/23/93	Matteucci	536	23.1
<i>Ho</i>	IB	5,276,019	01/04/94	Cohen et al.	514	44

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	Filing Date November 12, 1999	Group 2953

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>Y/S</i>	IC	5,278,302	01/11/94	Caruthers et al.	536	24.5
	ID	5,286,717	02/15/94	Cohen et al.	514	44
	IE	5,321,131	06/14/94	Agrawal et al.	536	25.34
	IF	5,399,676	03/21/95	Froehler	536	23.1
	IG	5,405,938	04/11/95	Summerton et al.	528	406
	IH	5,405,939	04/11/95	Suhadolnik et al.	530	322
	II	5,434,257	08/18/95	Matteucci et al.	536	24.3
	IJ	5,453,496	09/26/95	Caruthers et al.	536	24.5
	IK	5,455,233	10/03/95	Spielvogel et al.	514	44
	IL	5,466,677	11/14/95	Baxter et al.	514	44
	IM	5,470,967	11/28/95	Huie et al.	536	24.3
<i>Y/S</i>	IN	5,476,925	12/19/95	Letsinger et al.	536	23.1

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	Filing Date November 12, 1999	Group 2953

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<i>Ho</i>	IO	5,519,126	05/21/96	Hecht	536	24.3
	IP	5,536,821	07/16/96	Agrawal et al.	536	22.1
	IQ	5,541,306	07/30/96	Agrawal et al.	536	22.1
	IR	5,541,307	07/30/96	Cook et al.	536	23.1
	IS	5,550,111	08/27/96	Suhadolnik et al.	514	44
	IT	5,561,225	10/01/96	Maddry et al.	536	23.1
	IU	5,563,253	10/08/96	Agrawal et al.	536	22.1
	IV	5,571,799	11/05/96	Tkachuk et al.	514	47
	IW	5,596,086	01/21/97	Matteucci et al.	536	22.1
	IX	5,602,240	02/11/97	De Mesmaeker et al.	536	23.1
	IY	5,608,046	03/04/97	Cook et al.	536	23.1
<i>Ho</i>	IZ	5,610,289	03/11/97	Cook et al.	536	25.34

FOREIGN PATENT DOCUMENTS

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EXAMINER <i>Harold Dem</i>	DATE CONSIDERED <i>1-10-05</i>
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U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>Ho</i>	JA	5,618,704	04/08/97	Sanghvi et al.	435	91.5
	JB	5,623,070	04/22/97	Cook et al.	536	27.6
	JC	5,625,050	04/29/97	Beaton et al.	536	24.1
	JD	5,633,360	05/27/97	Bischofberger et al.	536	22.1
	JE	5,663,312	09/02/97	Chaturvedula	536	22.1
	JF	5,670,633	09/23/97	Cook et al.	536	23.1
	JG	5,677,437	10/14/97	Teng et al.	536	23.1
	JH	5,677,439	10/14/97	Weis et al.	536	23.1
	JI	4,845,205	07/04/89	Huynh Dinh et al.	536	28
	JJ	4,981,957	01/01/91	Lebleu et al.	536	27
	JK	5,118,800	06/02/92	Smith et al.	536	23
<i>Ho</i>	JL	5,124,047	06/23/92	Quach, et al.	210	699

FOREIGN PATENT DOCUMENTS

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EXAMINER <i>Howard Chen</i>				DATE CONSIDERED <i>1-10-05</i>		

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	Filing Date November 12, 1999	Group 2953

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>HO</i>	JM	5,130,302	07/14/92	Spielvogel et al.	514	45
	JN	5,134,066	07/28/92	Rogers et al.	435	91
	JO	5,138,045	08/11/92	Cook et al.	536	27
	JP	5,175,273	12/29/92	Bischofberger et al.	536	27
	JQ	5,218,105	06/08/93	Cook et al.	536	25.31
	JR	5,223,618	06/29/93	Cook et al.	544	276
	JS	5,264,562	11/23/93	Matteucci		
	JT	5,319,080	06/07/94	Leumann	536	27.1
	JU	5,359,044	10/25/94	Cook et al.	536	23.1
	JV	5,367,066	11/22/94	Urdea et al.	536	24.3
	JW	5,378,825	01/03/95	Cook et al.	536	25.34
	JX	5,386,023	01/31/95	Sanghvi et al.	536	25.3
	JY	5,393,878	02/28/95	Leumann	536	28.2
	JZ	5,432,272	07/11/95	Benner	536	25.3
	KA	5,446,137	08/29/95	Maag et al.	536	23.1
	KB	5,457,187	10/10/95	Gmeiner et al.	536	25.5
	KC	5,457,191	10/10/95	Cook et al.	536	27.13
	KD	5,459,255	10/17/95	Cook et al.	536	27.13
	KE	5,466,786	11/14/95	Buhr et al.	536	26.26
	KF	5,484,908	01/16/96	Froehler et al.	536	24.31
<i>HO</i>	KG	5,503,177	03/26/96	Matteucci et al.	536	2606
EXAMINER <i>David Owen</i>				DATE CONSIDERED <i>1-10-05</i>		

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				Filing Date November 12, 1999		Group 2953	
U. S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
<i>HO</i>	KH	5,506,351	04/09/96	McGee	536	55.3	
	KI	5,514,785	05/07/96	Van Ness et al.	536	22.1	
	KJ	5,519,134	05/21/96	Acevedo et al.	544	243	
	KK	5,525,711	06/11/96	Hawkins et al.	536	22.1	
	KL	5,543,507	08/06/96	Cook et al.	536	23.1	
	KM	5,552,540	09/03/96	Haralambidis	536	25.34	
	KN	5,567,811	10/22/96	Misiura et al.	536	25.34	
	KO	5,571,902	11/05/96	Ravikumar et al.	536	22.1	
	KP	5,576,427	11/19/96	Cook et al.	536	23.1	
	KQ	5,578,718	11/26/96	Cook et al.	536	27.21	
	KR	5,587,469	12/24/96	Cook et al.	536	23.1	
	KS	5,591,722	01/07/97	Montgomery et al.	514	45	
	KT	5,594,121	01/14/97	Froehler et al.	536	23.5	
	KU	5,596,086	01/21/97	Matteucci, et al.	536	22.1	
	KV	5,596,091	01/21/97	Switzer	536	24.5	
	KW	5,597,909	01/28/97	Urdea et al.	536	24.3	
	KX	5,602,000	02/11/97	Hyman	435	91.1	
	KY	5,610,300	03/11/97	Altmann et al.	544	244	
	KZ	5,614,617	03/25/97	Cook et al.	536	23.1	
	LA	5,623,065	04/22/97	Cook et al.	536	23.1	
<i>HO</i>	LB	5,627,053	05/06/97	Usman et al.	435	91.1	
EXAMINER <i>Howard Jones</i>				DATE CONSIDERED <i>1-10-05</i>			

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				Filing Date November 12, 1999		Group 2953	
U. S. PATENT DOCUMENTS							
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<i>Ho</i>	LC	5,639,873	06/17/97	Barascut et al.	536	25.3	
<i>Ho</i>	LD	5,646,265	07/08/97	McGee	536	25.34	
<i>Ho</i>	LE	5,658,873	08/19/97	Bertsch-Frank et al.	510	375	
<i>Ho</i>	LF	5,681,941	10/28/97	Cook et al.	536	23.1	
<i>Ho</i>	LG	5,700,920	12/23/97	Altmann et al.	536	221	
<i>Ho</i>	LH	5,817,781	10/06/98	Swaminathan et al.	536	22.1	
<i>Ho</i>	LI	5,859,221	01/12/99	Cook et al.	536	23.1	
** <i>Ho</i>	LJ	07/806,710	12/12/91	Jones, et al.			
**	LK	07/990,848	12/11/92	Jones, et al.			
**	LL	08/398,901	03/06/95	Cook et al.			
**	LM	08/762,488	12/10/96	Cook, et al.			
**	LN	08/837,201	03/14/97	Dean et al.			
**	LO	08/910,629	08/13/97	McKay et al.			
**	LP	09/009,490	01/20/98	Bennett et al.			
**	LQ	09/016,520	01/30/98	Cook et al.			
**	LR	09/044,506	03/19/98	Bennett et al.			
** <i>Ho</i>	LS	09/062,416	04/17/98	Bennett et al.			
EXAMINER <i>Howard Egan</i>				DATE CONSIDERED <i>1-10-05</i>			

**Pursuant to 37 C.F.R. 1.98(a)(2)(iii) no copy of a U.S. patent application need be included with an Information Disclosure Statement filed under 37 C.F.R. 1.97.

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	Filing Date November 12, 1999	Group 2953

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** <i>do</i>	LT	09/115,043	07/14/98	Manoharan et al.	<u> </u>	<u> </u>
**	LU	09/123,108	07/27/98	Manoharan et al.	<u> </u>	<u> </u>
**	LV	09/130,973	08/07/98	Manoharan et al.	<u> </u>	<u> </u>
**	LW	09/344,260	06/25/99	Manoharan	<u> </u>	<u> </u>
**	LX	09/370,541	08/09/99	Manoharan, et al.	<u> </u>	<u> </u>
**	LY	09/349,040	07/07/99	Manoharan et al.	<u> </u>	<u> </u>
** <i>do</i>	LZ	09/378,568	08/19/99	Manoharan et al.	<u> </u>	<u> </u>

FOREIGN PATENT DOCUMENTS

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					YES	NO

EXAMINER

Donald E. Jones

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		Filing Date November 12, 1999	Group 1623
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
<i>Ho</i>	AA	Albert, P.R. et al., "Antisense knockouts: molecular scalpels for the dissection of signal transduction", <i>Trends Pharmacol. Sci.</i> , 1994 , <i>15</i> , 250-254	
<i>Ho</i>	AB	Berkow et al. (eds.), <i>The Merck Manual of Diagnosis and Therapy</i> , Rahway, N.J., 1987 , 15th Edition, 2263-2277, 2283-2292, 2301-2310	
<i>Ho</i>	AC	Bernhard et al., "Direct Evidence Linking Expression of Matrix Metalloproteinase 9 (92-kDa gelatinase/collagenase) to the metastatic phenotype in transformed rat embryo cells," <i>Proc. Natl. Acad. Sci. USA</i> , 1994 , <i>91</i> , 4293-4297	
<i>Ho</i>	AD	Birkedal-Hansen, "Proteolytic Remodeling of Extracellular Matrix," <i>Curr. Op. Cell Biol.</i> , 1995 , <i>7</i> , 728-735	
<i>Ho</i>	AE	Boggemeyer et al., "Borrelia burgdorferi Upregulates the Adhesion Molecules E-selectin, P-selectin, ICAM-1 and VCAM-1 on Mouse Endothelioma Cells in vitro," <i>Cell Adhes. Commun.</i> , 1994 , <i>2</i> , 145-157	
<i>Ho</i>	AF	Cook, P.D., "Medicinal chemistry of antisense oligonucleotides - future opportunities", <i>Anti-Cancer Drug Design</i> , 1991 , <i>6</i> , 585-607	
<i>Ho</i>	AG	Crooke, S.T. et al., "Pharmacokinetic Properties of Several Novel Oligonucleotide Analogs in mice", <i>J. Pharmacol. Exp. Therapeutics</i> , 1996 , <i>277</i> , 923-937	
<i>Ho</i>	AH	Crooke, S.T. et al., "Progress in Antisense Oligonucleotide Therapeutic", <i>Ann. Rev. Pharmacol. Toxicol.</i> , 1996 , <i>36</i> , 107-129	
<i>Ho</i>	AI	Dean, N.M. et al., "Inhibition of protein kinase C- α expression in mice after systemic administration of phosphorothioate antisense oligodeoxynucleotides", <i>Proc. Natl. Acad. Sci.</i> , 1994 , <i>91</i> , 11762-11766	
<i>Ho</i>	AJ	DeLisser et al., "Molecular and Functional Aspects of PECAM-1/CD31," <i>Immunol. Today</i> , 1994 , <i>15</i> (10), 490-494	
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